



ATTORNEY'S DOCKET NUMBER: 2006579-0141 (CTX-105)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Laboreczfalvi, et al. Examiner: Not Yet Assigned
Serial Number: 10/711,737 Art Unit: 2171
Filed: September 30, 2004
Title: METHOD AND APPARATUS FOR ISOLATING EXECUTION OF
SOFTWARE APPLICATIONS

**Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

CERTIFICATE OF MAILING

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited on May 16, 2006 with the United States Postal Service via U.S. Mail to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Vincent Montalbano

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, Applicant requests consideration of this Information Disclosure Statement.

Type of Statement

The present Information Disclosure Statement is:

- ☒ [X] An *original* Information Disclosure Statement; or
☐ [] A *supplemental* Information Disclosure Statement.

Compliance with 37 CFR § 1.97

The present Information Disclosure Statement is being filed:

- ☒ Pursuant to 37 CFR § 1.97(b); no fee or certification is required:
- ☐ Within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d);
 - ☐ Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application;
 - ☒ Before the mailing of a first Office action on the merits; or
 - ☐ Before the mailing of a first Office action after the filing of a request for continued examination under § 1.114.
- ☐ Pursuant to 37 CFR § 1.97(c) after the dates listed above but before the mailing date of any of a final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application; Applicant hereby *either*:
- ☐ Certifies that *either*:
 - ☐ each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or
 - ☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making

reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement; or

☐ Includes herewith the fee set forth in § 1.17(p),

☐ Pursuant to 37 CFR § 1.97(d), after the mailing date of any final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application; Applicant hereby *both*:

☐ Certifies that *either*:

☐ each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement; and

☐ Includes herewith the fee set forth in § 1.17(p).

Content of the Information Disclosure Statement

Applicant hereby makes of record in the above-identified application the reference(s) listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

Applicant includes copies of references as indicated below:

- ☐ A copy of each cited reference not indicated with an asterisk is included;
- ☒ Copies of references indicated with an asterisk on the attached form PTO-1449 are not included pursuant to 37 CFR § 1.98(a)(2)(ii);
- ☐ Copies of English translations of one or more non-English references are included.

Applicant hereby makes the following additional information of record in the above-identified application:

Applicant certifies that the Information Disclosure Statement *either*:

- ☐ Does not contain non-English language citations;
- ☐ Includes one or more translations of a non-English citation; or
- ☒ Does contain non-English language citations.

Remarks

The submission of this Information Disclosure Statement should not be construed as a representation that a search has been made.

The submission of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b) .

The submission of this Information Disclosure Statement shall not be construed as a representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 USC §102.

It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited patent(s) and publication(s) has (have) been fully considered by the Patent and Trademark Office during the examination of this application; and
3. The citations for the patent(s) and publication(s) be printed on any patent which issues from this application.
4. Applicant directs the Examiner's attention to the following related United States patent applications:


Our Reference No.	Serial No.	Filing Date
2006579-0130 (CTX-106)	11/231,284	9/15/2005
2006579-0242 (CTX-107)	10/711,736	9/30/2004
2006579-0243 (CTX-108)	10/711,735	9/30/2004
2006579-0152 (CTX-109)	10/956,723	10/1/2004
2006579-0244 (CTX-110)	10/711,734	9/30/2004
2006579-0131 (CTX-111)	11/231,316	9/19/2005
2006579-0143 (CTX-112)	10/711,737	9/30/2004
2006579-0245 (CTX-113)	10/711,732	9/30/2004
2006579-0132 (CTX-154)	11/231,317	9/19/2005
2006579-0133 (CTX-155)	11/231,315	9/19/2005

2006579-0134 (CTX-156)	11/231,370	9/19/2005
2006579-0033 (CTX-157)	11/246,021	10/7/2005
2006579-0035 (CTX-159)	11/246,921	10/7/2005
2006579-0595 (CTX-157 DV1)	11/277,296	3/23/2006
2006579-0038 (CTX-162)	11/246,018	10/7/2005
2006579-0036 (CTX-160)	11/246,019	10/7/2005

Notwithstanding any statements by Applicants, the Examiner is urged to form his or her own conclusions regarding the relevance of the cited reference(s).

Respectfully submitted,

Dated: May 16, 2006


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 Reg No. 40,060

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Form PTO-1417 (REV. 8-83) FIRST INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>	U.S. Department of Commerce Patent and Trademark Office		Atty. Docket: 2006579-0141 (CTX-105)	In re Application No. 10/711,737
	Applicant: Laborczfalvi, <i>et al.</i>			
	Filing Date: September 30, 2004		Group: 2171	

U.S. PATENT DOCUMENTS						
Examiner's Initials	Cite No.	U.S. Patent No.	Applicant	Issue Date	Class	Subclass
	A1	*5,838,910	Domenikos <i>et al.</i>	November 17, 1998	395	200.33
	A2	*5,838,916	Domenikos <i>et al.</i>	November 17, 1998	395	200.49
	A3	*5,915,085	Koved	June 22, 1999	395	186
	A4	*6,065,043	Domenikos <i>et al.</i>	May 16, 2000	709	203
	A5	*6,115,741	Domenikos <i>et al.</i>	September 5, 2000	709	217
	A6	*6,144,992	Turpin <i>et al.</i>	November 7, 2000	709	208
	A7	*6,240,442	Domenikos <i>et al.</i>	May 29, 2001	709	203
	A8	*6,292,827	Raz	September 18, 2001	709	217
	A9	*6,311,221	Raz <i>et al.</i>	October 30, 2001	709	231
	A10	*6,374,402	Schmeidler <i>et al.</i>	April 16, 2002	717	11
	A11	*6,453,334	Vinson <i>et al.</i>	September 17, 2002	709	203
	A12	*6,574,618	Eylon <i>et al.</i>	June 3, 2003	707	1
	A13	*6,598,125	Romm	July 22, 2003	711	133
	A14	*6,757,894	Eylon <i>et al.</i>	June 29, 2004	717	177
	A15	*6,763,370	Schmeidler <i>et al.</i>	July 13, 2004	709	203
	A16	*6,779,179	Romm <i>et al.</i>	August 17, 2004	717	178
	A17	*6,854,009	Hughes	February 8, 2005	709	220
	A18	*6,918,113	Patel <i>et al.</i>	July 12, 2005	717	178
	A19	*6,938,096	Greschler <i>et al.</i>	August 30, 2005	709	239
	A20	*6,959,320	Shah <i>et al.</i>	October 25, 2005	709	203
	A21	*7,017,188	Schmeidler <i>et al.</i>	March 21, 2006	726	26
	A22	* 7,028,305	Schaefer	April 11, 2006	709	328

U.S. PATENT APPLICATIONS						
Examiner's Initials:	Cite No.	Publication Number:	Applicant:	Publication Date:	Group:	Art Unit:
	A23	*09/527188	Greschler	Not publicly available	709	227
	A24	*2001/0037399	Eylon <i>et al.</i>	November 1, 2001		
	A25	*2001/0037400	Raz <i>et al.</i>	November 1, 2001		
	A26	*2001/0044850	Raz <i>et al.</i>	November 22, 2001		

(REV. 8-83)

FIRST INFORMATION DISCLOSURE STATEMENT*(Use several sheets if necessary)*Applicant: Laborczfalvi, *et al.*Filing Date:
September 30, 2004

Group: 2171

	A27	*2001/0047386	Domenikos <i>et al.</i>	November 29, 2001		
	A28	*2002/0010808	Wiggins <i>et al.</i>	January 24, 2002		
	A29	*2002/0042833	Hendler <i>et al.</i>	April 11, 2002		
	A30	*2002/0078203	Greschler <i>et al.</i>	June 20, 2002		
	A31	*2002/0080170	Goldberg <i>et al.</i>	June 27, 2002		
	A32	*2002/0083183	Pujare <i>et al.</i>	June 27, 2002		
	A33	*2002/0087717	Artzi <i>et al.</i>	July 4, 2002		
	A34	*2002/0087883	Wohlgemuth <i>et al.</i>	July 4, 2002		
	A35	*2002/0091763	Shah <i>et al.</i>	July 11, 2002		
	A36	*2002/0138640	Raz <i>et al.</i>	September 26, 2002		
	A37	*2002/0156911	Croman <i>et al.</i>	October 24, 2002		
	A38	*2002/0161908	Benitez <i>et al.</i>	October 31, 2002		
	A39	*2002/0174215	Schaefer	November 21, 2002		
	A40	*2003/0004882	Holler <i>et al.</i>	January 2, 2003		
	A41	*2003/0009538	Shah <i>et al.</i>	January 9, 2003		
	A42	*2003/0056112	Vinson <i>et al.</i>	March 20, 2003		
	A43	*2003/0101292	Fisher <i>et al.</i>	May 29, 2003		
	A44	*2003/0115458	Song	June 19, 2003		
	A45	*2003/0140160	Raz <i>et al.</i>	July 24, 2003		
	A46	*2003/0233489	Blaser <i>et al.</i>	December 18, 2003		
	A47	*2003/0233490	Blaser <i>et al.</i>	December 18, 2003		
	A48	*2003/0233647	Blaser <i>et al.</i>	December 18, 2003		
	A49	*2004/0045016	Romm <i>et al.</i>	March 4, 2004		
	A50	*2004/0128346	Melamed <i>et al.</i>	July 1, 2004		
	A51	*2004/0230971	Rachman <i>et al.</i>	November 18, 2004		
	A52	*2004/0268361	Schaefer	December 30, 2004		
	A53	*2005/0010670	Greschler <i>et al.</i>	January 13, 2005		
	A54	*2005/0021613	Schmeidler <i>et al.</i>	January 27, 2005		
	A55	*2005/0091511	Nave <i>et al.</i>	April 28, 2005		
	A56	*2005/0091534	Nave <i>et al.</i>	April 28, 2005		
	A57	*2005/0114870	Song <i>et al.</i>	May 26, 2005		
	A58	*2005/0165853	Turpin <i>et al.</i>	July 28, 2005		

Form PTO-1449		U.S. Department of Commerce		Atty. Docket: 2006579-0141		In re Application No. 10/711,737	
(REV. 8-83)		Patent and Trademark Office		(CTX-105)			
FIRST INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Applicant: Laborczfalvi, <i>et al.</i>			
				Filing Date: September 30, 2004		Group: 2171	
	A59	*2005/0169073	Cook <i>et al.</i>	August 4, 2005			
	A60	*2005/0172279	Cook <i>et al.</i>	August 4, 2005			
	A61	*2005/0193139	Vinson <i>et al.</i>	September 1, 2005			
	A62	*2005/0198239	Hughes	September 8, 2005			
	A63	*2005/0246704	Romm <i>et al.</i>	November 3, 2005			
	A64	*2005/0257265	Cook <i>et al.</i>	November 17, 2005			
	A65	*2005/0257266	Cook <i>et al.</i>	November 17, 2005			
	A66	*2006/0020858	Schaefer	January 26, 2006			
	A67	*2006/0020937	Schaefer	January 26, 2006			
	A68	*2006/0031165	Nave <i>et al.</i>	February 9, 2006			
	A69	*2006/0036570	Schaefer <i>et al.</i>	February 16, 2006			
	A70	*2006/0053228	Rachman <i>et al.</i>	March 9, 2006			

FOREIGN PATENT DOCUMENTS

Examiner's Initials		Document No.	Country	Date	Translation	
					Yes	No
	B1	WO 97/34225	PCT	September 18, 1997		
	B2	WO 98/50874	PCT	November 12, 1998		
	B3	WO 98/59460	PCT	December 30, 1998		
	B4	WO 00/05637	PCT	February 3, 2000		
	B5	WO 00/30323	PCT	May 25, 2000		
	B6	WO 00/43919	PCT	July 27, 2000		
	B7	WO 00/45262	PCT	August 3, 2000		
	B8	WO 00/46685	PCT	August 10, 2000		
	B9	WO 00/62161	PCT	April 12, 2000		
	B10	WO 01/IL00651	PCT	January 13, 2000		
	B11	WO 01/25894	PCT	April 12, 2000		
	B12	WO 01/53938	PCT	July 26, 2001		
	B13	WO 01/53940	PCT	July 26, 2001		
	B14	WO 01/54375	PCT	July 26, 2001		
	B15	WO 01/61967	PCT	August 23, 2001		
	B16	WO 01/67379	PCT	September 13, 2001		
	B17	WO 01/69448	PCT	September 20, 2001		

Form PTO-1449				U.S. Department of Commerce		Atty. Docket: 2006579-0141		In re Application No. 10/711,737	
(REV. 8-83)				Patent and Trademark Office		(CTX-105)			
FIRST INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)						Applicant: Laborczfalvi, <i>et al.</i>			
						Filing Date: September 30, 2004		Group: 2171	
	B18	WO 01/90901	PCT	November 29, 2001					
	B19	WO 01/95094	PCT	December 13, 2001					
	B20	WO 02/23363	PCT	March 21, 2002					
	B21	WO 02/27492	PCT	April 4, 2002					
	B22	WO 02/27556	PCT	April 4, 2002					
	B23	WO 02/93369	PCT	November 21, 2002					
	B24	WO 03/107183	PCT	December 24, 2003					
	B25	WO 03/029977	PCT	April 10, 2003					
	B26	WO 03/107220	PCT	December 24, 2003					
	B27	WO 03/107221	PCT	December 24, 2003					
	B28	WO 05/045616	PCT	May 19, 2005					
	B29	WO 05/052762	PCT	June 9, 2005					
	B30	WO 05/059726	PCT	June 30, 2005					
	B31	WO 06/012533	PCT	February 2, 2006					
	B32	WO 06/017388	PCT	February 16, 2006					
	B33	WO 06/020094	PCT	February 23, 2006					
	B34	EP 901655	EP	September 18, 1997					
	B35	EP 990327	EP	December 30, 1998					
	B36	EP 1021782	EP	November 12, 1998					
	B37	EP 1037147	EP	May 20, 1999					
	B38	EP 1097416	EP	February 3, 2000					
	B39	EP 1131934	EP	May 25, 2000					
	B40	EP 1163599	EP	August 10, 2000					
	B41	EP 1311957	EP	January 24, 2002					
	B42	EP 1330738	EP	April 4, 2002					
	B43	EP 1332432	EP	April 4, 2002					
	B44	EP 1410219	EP	November 29, 2001					
	B45	CA 2248086	CA	September 18, 1997					
	B46	CA 2351078	CA	May 25, 2000					
	B47	CA 2361342	CA	February 3, 2000					
	B48	CA 2427847	CA	April 4, 2002					
	B49	CA 2427848	CA	April 4, 2002					

Form PTO-1449				U.S. Department of Commerce		Atty. Docket: 2006579-0141		In re Application No. 10/711,737	
(REV. 8-83)				Patent and Trademark Office		(CTX-105)			
FIRST INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)						Applicant: Laborczfalvi, <i>et al.</i>			
						Filing Date: September 30, 2004		Group: 2171	
	B50	CA 2465880	CA	November 21, 2002					
	B51	CN 1185591	CN	June 24, 1998					
	B52	CN 1354857	CN	June 19, 2002					
	B53	JP 2001/502821	JP	February 27, 2001					
	B54	JP 2002/508907	JP	February 19, 2002					
	B55	JP 2002/521745	JP	July 16, 2002					
	B56	JP 2003/527645	JP	September 16, 2003					
	B57	JP 2003/532166	JP	October 28, 2003					
	B58	JP 2004/504681	JP	February 12, 2004					
	B59	JP 2004/533054	JP	October 28, 2004					
	B60	AU 2329797	AU	October 1, 1997					
	B61	AU 7564398	AU	November 27, 1998					
	B62	AU 5104699	AU	February 14, 2000					
	B63	AU 711280	AU	October 7, 1999					
	B64	AU 1727200	AU	June 5, 2000					
	B65	AU 2463700	AU	August 25, 2000					
	B66	AU 2862500	AU	August 7, 2000					
	B67	AU 4236100	AU	November 14, 2000					
	B68	AU 2957501	AU	July 31, 2001					
	B69	AU 2973701	AU	July 31, 2001					
	B70	AU 3282501	AU	July 31, 2001					
	B71	AU 3857201	AU	August 27, 2001					
	B72	AU 4350201	AU	September 17, 2001					
	B73	AU 4555401	AU	September 24, 2001					
	B74	AU 6498901	AU	December 3, 2001					
	B75	AU 7865401	AU	January 30, 2002					
	B76	AU 9079601	AU	March 26, 2002					
	B77	AU 9308701	AU	April 8, 2002					
	B78	AU 9308801	AU	April 8, 2002					
	B79	AU 2002309834	AU	November 25, 2002					
	B80	AU 2003243543	AU	December 31, 2003					
	B81	AU 2003251504	AU	December 31, 2003					

(REV. 8-83)

FIRST INFORMATION DISCLOSURE STATEMENT*(Use several sheets if necessary)*Applicant: Laborczfalvi, *et al.*Filing Date:
September 30, 2004

Group: 2171

B82	AU 2003251505	AU	December 31, 2003
B83	KR 990003481	KR	August 10, 2000
B84	KR 990068380	KR	August 10, 2000
B85	KR 2000057127	KR	September 15, 2000

OTHER DOCUMENTS

Examiner's Initials	Cite No.	Citation (Including Author, Title, Date, Pertinent Pages, Etc.)
	C1	International Searching Authority, "International Search Report," PCT Application No. PCT/US2005/033994, mailed on February 15, 2006, 5 pgs.
	C2	International Searching Authority, "Written Opinion," PCT Application No. PCT/US2005/033994, mailed on February 15, 2006, 8 pgs.
	C9	International Searching Authority, "International Search Report," PCT Application No. PCT/US2005/034177, mailed on February 21, 2006, 7 pgs.
	C4	International Searching Authority, "Written Opinion," PCT Application No. PCT/US2005/034177, mailed on February 21, 2006, 8 pgs.
	C5	International Searching Authority, "International Search Report," PCT Application No. PCT/US2005/034449, mailed on March 3, 2006, 8 pgs.
	C6	International Searching Authority, "Written Opinion," PCT Application No. PCT/US2005/034449, mailed on March 3, 2006, 8 pgs.
	C7	International Searching Authority, "International Search Report," PCT Application No. PCT/US2005/034178, mailed on February 1, 2006, 5 pgs.
	C8	International Searching Authority, "Written Opinion," PCT Application No. PCT/US2005/034178, mailed on February 1, 2006, 4 pgs.
	C9	International Searching Authority, "International Search Report," PCT Application No. PCT/US2005/034302, mailed on May 8, 2006, 8 pgs.
	C10	International Searching Authority, "Written Opinion," PCT Application No. PCT/US2005/034302, mailed on May 8, 2006, 15 pgs.
	C11	Boyd, T., <i>et al.</i> , "Process Migration: A Generalized Approach Using A Virtualizing Operating System," <i>Proc. of the 22nd Int'l Conf. on Dist. Comp. Sys.</i> , 1: 348-355, 2002.
	C12	Liang, Z., <i>et al.</i> , "Isolated Program Execution: An Application Transparent Approach For Executing Untrusted Programs," <i>Computer Security App. Conf.</i> 182-191, 2003.
	C13	Pietrek, M., <i>et al.</i> , "Intercepting API Functions In Win32," <i>PC Mag.</i> , 13: 307-312, August 11, 1994.
	C14	"Taking Command Of Windows XP," http://media.wiley.com/product_data/excerpt/34/07645582/0764558234.pdf , 1-11, May 3, 2004.

Form PTO-1449U.S. Department of
Commerce
Patent and Trademark OfficeAtty. Docket:
2006579-0141
(CTX-105)In re Application No.
10/711,737**(REV. 8-83)****FIRST INFORMATION DISCLOSURE STATEMENT***(Use several sheets if necessary)*Applicant: Laborczfalvi, *et al.*Filing Date:
September 30, 2004

Group: 2171

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.